

JA

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PCT

RAW SEQUENCE LISTING

DATE: 03/27/2003

PATENT APPLICATION: US/09/889,756A

TIME: 13:19:45

Input Set : N:\Crf4\03272003\I889756.raw

Output Set: N:\CRF4\03272003\I889756A.raw

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1 <110> APPLICANT: Joelle Thonnard
2 <120> TITLE OF INVENTION: BASB055
3 <130> FILE REFERENCE: BM45353
4 <140> CURRENT APPLICATION NUMBER: US/09/889,756A
5 <141> CURRENT FILING DATE: 2002-04-03
6 <150> PRIOR APPLICATION NUMBER: 9901462.3
7 <151> PRIOR FILING DATE: 1999-01-22
8 <150> PRIOR APPLICATION NUMBER: 9902069.5
9 <151> PRIOR FILING DATE: 1999-01-29
10 <160> NUMBER OF SEQ ID NOS: 4
11 <170> SOFTWARE: FastSEQ for Windows Version 4.0
13 <210> SEQ ID NO: 1
14 <211> LENGTH: 1239
15 <212> TYPE: DNA
16 <213> ORGANISM: Neisseria meningitidis
17 <400> SEQUENCE: 1
18      atggcttttt atgcttttaa ggcgatgcgt gcggccgcgt tggctgccgc cgttgccattg      60
19      gtactgtcgt cttgcggtaa aggcggagac gcggcgagcgc gcgggcagcc tgctggtcgg      120
20      gaagcccttg cgcgcgtcgt cgggtgcgta accgtccatc cgcaaaccgt cgcattgacc      180
21      gtcgagttgc cggggcggtt ggaatcgctg cgtaccgcgc atgtccgcgc ccaagtcggc      240
22      ggcacatcc aaaaacgcct gttccaagaa ggcagttatg tccgtgccgc acagccgctg      300
23      tatcagatcg acagttccac ttatgaagca aatctggaaa gcgcgcgcgc gcaactggca      360
24      acggctcagg caacgcttgc caaagcggat gcggatttgg cgcgatacaa gcctttggtt      420
25      gccgcgaag ccgtcagccg gcaggaatac gatgtctcgc taacggcgaa acgttctgcc      480
26      gaggcagggtg tcaaagcagc acaggcggca atcaaactcg ccggcattaa tctgaaccgt      540
27      tcgcgcatta ccgcgcgat ttccggcttt atcggtcagt ccaaagtttc cgaaggtacg      600
28      ctgttgaaat cgggcgatac gaccgtgctg gcaaccatcc gccaaaccaa tccgatgtat      660
29      gtgaacgtta cccagtctgc atccgaagtg atgaaattgc gccgtcagat agccgaaggc      720
30      aaactgctgg cggcggatgg tgtgattgcg gtcggcatca aatttgacga cggcacagtt      780
31      taccctgaaa aaggccgcct gctgtttgcc gatccggtcg tcaacgaatc gaccggtcag      840
32      attaccctgc gcgcgcgcgt accgaacgat cagaatatcc tgatgcccg tctgtatgtg      900
33      cgcgtgctga tggaccaagt ggcggtggat aacgcatttg ttgtgccgca gcaggcggta      960
34      acgcgcgggtg cgaaagatac cgtgatgatt gtgaatgcc aaggcggat ggaacccgc      1020
35      gaggtaacgg ttgcgcaaca gcagggtacg aattggattg ttacgtcggg tctgaaggac      1080
36      ggggacaagg tggttgtgga aggcacatcgt atcgcgggta taacgggtgc gaaaaaggta      1140
37      acgcccgaag aatgggcgtc gtctgaaaac caagccgcgc gcctcaatc cggcggttcag      1200
38      acggcatctg aagccaaaac tgcttctgaa gcggaataa      1239
40 <210> SEQ ID NO: 2
41 <211> LENGTH: 412
42 <212> TYPE: PRT
43 <213> ORGANISM: Neisseria meningitidis
44 <400> SEQUENCE: 2
45      Met Ala Phe Tyr Ala Phe Lys Ala Met Arg Ala Ala Ala Leu Ala Ala

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46      1          5          10          15
47  Ala Val Ala Leu Val Leu Ser Ser Cys Gly Lys Gly Gly Asp Ala Ala
48                20                25                30
49  Gln Gly Gly Gln Pro Ala Gly Arg Glu Ala Pro Ala Pro Val Val Gly
50                35                40                45
51  Val Val Thr Val His Pro Gln Thr Val Ala Leu Thr Val Glu Leu Pro
52                50                55                60
53  Gly Arg Leu Glu Ser Leu Arg Thr Ala Asp Val Arg Ala Gln Val Gly
54                65                70                75                80
55  Gly Ile Ile Gln Lys Arg Leu Phe Gln Glu Gly Ser Tyr Val Arg Ala
56                85                90                95
57  Gly Gln Pro Leu Tyr Gln Ile Asp Ser Ser Thr Tyr Glu Ala Asn Leu
58                100                105                110
59  Glu Ser Ala Arg Ala Gln Leu Ala Thr Ala Gln Ala Thr Leu Ala Lys
60                115                120                125
61  Ala Asp Ala Asp Leu Ala Arg Tyr Lys Pro Leu Val Ala Ala Glu Ala
62                130                135                140
63  Val Ser Arg Gln Glu Tyr Asp Ala Ala Val Thr Ala Lys Arg Ser Ala
64                145                150                155                160
65  Glu Ala Gly Val Lys Ala Ala Gln Ala Ala Ile Lys Ser Ala Gly Ile
66                165                170                175
67  Asn Leu Asn Arg Ser Arg Ile Thr Ala Pro Ile Ser Gly Phe Ile Gly
68                180                185                190
69  Gln Ser Lys Val Ser Glu Gly Thr Leu Leu Asn Ala Gly Asp Thr Thr
70                195                200                205
71  Val Leu Ala Thr Ile Arg Gln Thr Asn Pro Met Tyr Val Asn Val Thr
72                210                215                220
73  Gln Ser Ala Ser Glu Val Met Lys Leu Arg Arg Gln Ile Ala Glu Gly
74                225                230                235                240
75  Lys Leu Leu Ala Ala Asp Gly Val Ile Ala Val Gly Ile Lys Phe Asp
76                245                250                255
77  Asp Gly Thr Val Tyr Pro Glu Lys Gly Arg Leu Leu Phe Ala Asp Pro
78                260                265                270
79  Val Val Asn Glu Ser Thr Gly Gln Ile Thr Leu Arg Ala Ala Val Pro
80                275                280                285
81  Asn Asp Gln Asn Ile Leu Met Pro Gly Leu Tyr Val Arg Val Leu Met
82                290                295                300
83  Asp Gln Val Ala Val Asp Asn Ala Phe Val Val Pro Gln Gln Ala Val
84                305                310                315                320
85  Thr Arg Gly Ala Lys Asp Thr Val Met Ile Val Asn Ala Gln Gly Gly
86                325                330                335
87  Met Glu Pro Arg Glu Val Thr Val Ala Gln Gln Gln Gly Thr Asn Trp
88                340                345                350
89  Ile Val Thr Ser Gly Leu Lys Asp Gly Asp Lys Val Val Val Glu Gly
90                355                360                365
91  Ile Ser Ile Ala Gly Ile Thr Gly Ala Lys Lys Val Thr Pro Lys Glu
92                370                375                380
93  Trp Ala Ser Ser Glu Asn Gln Ala Ala Ala Pro Gln Ser Gly Val Gln
94                385                390                395                400

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95 Thr Ala Ser Glu Ala Lys Thr Ala Ser Glu Ala Glu

96 405 410

98 <210> SEQ ID NO: 3

99 <211> LENGTH: 41

100 <212> TYPE: DNA

101 <213> ORGANISM: Artificial Sequence

102 <220> FEATURE:

103 <223> OTHER INFORMATION: primer

104 <400> SEQUENCE: 3

105 aggcagaggc atatggcttt ttatgctttt aaggcgatgc g

41

107 <210> SEQ ID NO: 4

108 <211> LENGTH: 42

109 <212> TYPE: DNA

110 <213> ORGANISM: Artificial Sequence

111 <220> FEATURE:

112 <223> OTHER INFORMATION: primer

113 <400> SEQUENCE: 4

114 aggcagaggc tcgagttccg cttcagaagc agttttggct tc

42

VERIFICATION SUMMARY

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